

ABSTRACT

Provided is a fluoroplastic or latex comprising a nitrogen-containing cure site and units derived from a fluorinated monomer. Also provided is a curable blend comprising a fluoroplastic and a fluoroelastomer gum, wherein said fluoroplastic comprises a nitrogen-containing cure site and units derived from a fluorinated monomer. Also provided are cured, shaped articles, latex blends, and a process for preparing a fluoroplastic comprising: (a) introducing at least 60 weight percent of a first polymerizable composition comprising a fluorinated monomer into a polymerization reactor; (b) polymerizing said composition in said reactor; (c) introducing at least 70 weight percent of a second polymerizable composition comprising a nitrogen-containing cure site monomer into said reactor following addition of at least 80% by weight of said first polymerizable composition; and (d) copolymerizing said nitrogen-containing cure site monomer with said fluorinated monomer to form a fluoroplastic.